Roland

DVE
Digital Value Engineering

VersaUV
PRINT&CUT LEC-300

Roland 30” UV Inkjet Printer/Cutter

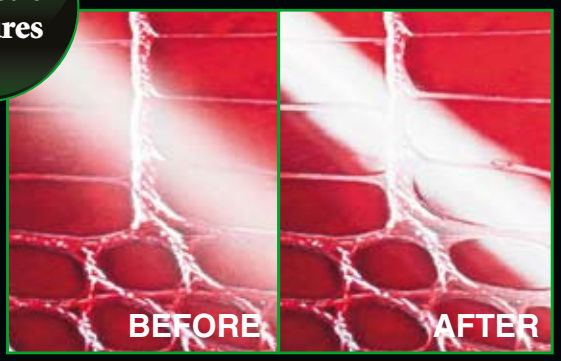
The World’s First Integrated UV Printer/Cutter
Adds Texture and Dimension to your Prints

UV LED

Feel the Colour

Revolutionary LEC-300 Adds Form, Texture and Dimension to Prints

Realistic Textures



Faux crocodile skin produced in one track by printing CMYK and multiple layers of clear varnisch on PVC.

Produce a poster comp and complete it with spot varnish, all at minimal production costs.

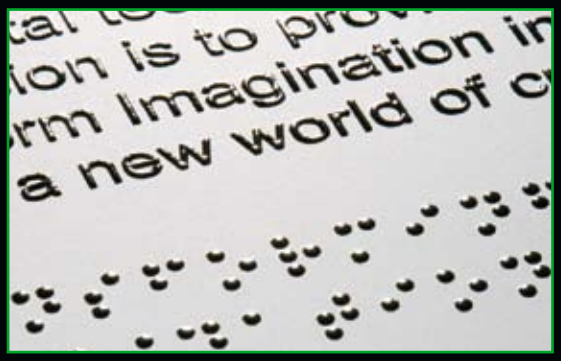
Media Options

Print directly on genuine leather to create fashionable handbags and accessories.

Transform interiors with custom printed fabric décor.

Solid 3D Impact

Create eye-catching domed logos.



Print Braille using multiple layers of Roland Eco UV inks.

Print & Cut

Print and contour cut an entire product design with one device.

Print and contour cut short run labels by using CMYK and White ink.

Add Luxurious Textures and Dimension

Inspire your creativity with Roland's most advanced printer/cutter ever. The VersaUV prints your designs beautifully in CMYK + White and finishes them off with rich special effects by using multiple layers of clear coat varnish.

Print Crisp, Clear Images on a Wide Range of Substrates*

Roland's Eco UV ink is durable and doesn't crack when it is flexed or stretched. Print on paper, even with metallic surfaces, to produce labels, decals, POP displays and posters. You can print original patterns and 3D domed corporate logos directly onto synthetic and natural leathers, window coverings, tapestries and other interior décor items. The VersaUV also supports printing on foils, BOPP, PE, PET film, offset printing paper and more.

*To guarantee the best results, we advise you to test print your LEC-300 graphics on each substrate before production.

Print&Cut On Demand

With the VersaUV, you eliminate the need to outsource short production runs. You no longer have to produce plates or films; you simply make your design on your pc, send your file to the printer and the VersaUV does the rest. The machine quickly and easily prints and digitally die-cuts your design.

Environmental And User Friendly

The VersaUV requires only little maintenance thanks to a simple setup and reliable operation, which ensures beautiful results from the very first print through years of production. Furthermore, the long-lasting LED lamps don't need to cool down or pre-heat between uses. They have an impressive life span of approximately 10.000 hours, which is up to five times longer than industry standard halogen lamps.

Includes Powerful, Easy-To-Use VersaWorks RIP for precision Colour Management

Roland VersaWorks software RIP supports Roland Intelligent Pass Control™ and the Roland Color System for precision spot colour matching. Together with VersaWorks, you receive the Roland@Net auto update service, so the latest VersaWorks versions and profiles are always available to you.

The VersaUV LEC-300 is the world's first print and digital die cut UV inkjet device.

The 30" LEC-300 adds exceptional colour and customization to your graphics.

Bet your customers will appreciate the luxurious textures and dimensions

created by the VersaUV's clear varnish.

The easy-to-use LED lamps and Roland's newest generation of UV inks

make production easy, clean and efficient.

So, take your business to the next level with profitable LEC-300 graphics.

Adobe PostScript 3

Roland DG Care

Roland DG Academy

Roland DG Creative Center

Roland VersaWorks RIP & PRINT MANAGEMENT SOFTWARE

Specifications

LEC-300		
Printing technology		Piezo electric inkjet
Media	Width	182 to 762 mm
	Thickness	Maximum 1.0 mm with liner, for printing Maximum 0.4 mm with liner and 0.22 without liner, for cutting
	Roll outer diameter	Maximum 180 mm
	Roll weight	Maximum 20 kg
	Core diameter	50.8 mm or 76.2
Printing/cutting width *1		Maximum 736 mm
Ink cartridges	Types	Roland ECO-UV INK
	Capacity	220 cc
	Colour	Six colours (cyan, magenta, yellow, black, white, and gloss)
Ink curing unit		Built-in ultraviolet-light emitter (UV-LED Lamp)
Printing resolution (dots per inch)		Maximum 1440 dpi
Cutting speed		10 to 600 mm/s (10 to 300 mm/s in media-feed direction)
Blade force		30 to 300 gf
Blade offste compensation		0.000 to 1.500 mm
Software resolution (when cutting)		0.025 mm/step
Distance accuracy (when printing) *2		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater.
Distance accuracy (when cutting)		Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater. When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater.
Repeatability (when cutting) *3		±0.1 mm or less
Alignment accuracy for printing and cutting *4		±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media *5		Error of less than ±0.5% of distance traveled, or ±0.3 mm, whichever is greater.
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 240 V ±10%, 50/60 Hz, maximum 3.5A
Power consumption	During operation	Maximum 300 W
	Sleep mode	Approx. 23 W
Dimensions (with stand) *6		2,200 (W) x 820 (D) x 1,260 (H) mm
Weight (with stand)		175 kg
Environmental	Power on	Temperature: 20 to 32°C, humidity: 35 to 80% (no condensation)
	Power off	Temperature: 5 tot 40°C, humidity 20 to 80% (no condensation)
Accessoires		Stand, power cord, blade, blade holder, media clamps, replacement blade for separating knif, cleaning kit, software RIP (Roland VersaWorks), user manual, etc.

*1 The length of printing or cutting is subject to the limitations of the program
*2 Using Roland specified media, print travel of 1m, temperature: 25°C, humidity: 50% RH
*3 Using Roland specified media, loaded on the shaft, [PREFEED] menu item must be set to “ENABLE” with 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media. Media 3,000 mm long.
*4 Provided that media length is under 3,000 mm. Temperature: 25°C. Excluding possible shift caused by expansion or contraction of the media and/or by reloading the media.
*5 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,346 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded. During cutting [PREFEED] menu item must be set to “ENABLE”. Temperature: 25°C. Excludes the effects of slanted movement and of expansion and contraction of the media.
*6 During operation of the media take-up system, an operating rang of approximately 80 mm back from the front edge of the dancer roller is required.

Roland VersaWorks System Requirements

Operating system	Windows Vista® Ultimate Service Pack 1 or Business Service Pack 1 (32-bit edition), Windows Vista® Ultimate or Business (32-bit edition), or Windows XP® Professional Service Pack 2 or 3, or Windows® 2000 Service Pack 4
CPU	Pentium 4, 2.0 GHz or faster recommended
RAM	1 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Optical drive	DVD Rom drive
Application software compatible with Print&Cut	Adobe® Illustrator 10, CS, CS2, CS3 Coreldraw® 11, 12, X3

Options

	Model	Description
ECO-UV ink 220cc	EUV-MG EUV-YE EUV-CY EUV-BK EUV-WH EUV-GL	Magenta Yellow Cyan Black White Gloss
Cleaning liquid	SL-CL	1 pc.
Blades	ZEC-A1005 ZEC-A5025	For thick, reflective and fluorescent vinyl, 3 pcs. For thick, reflective and fluorescent vinyl, 3 pcs.
Blade holder	XD-CH2	Blade holder with blade extension adjuster, made of aluminium

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

ISO 14001:2004 and ISO 9001:2000 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.

JMA REGISTRATION CENTER QMS,EMS JMAQA-270 JMAQA-E089

BM TRADA CERTIFICATION ISO 9001:2000 UKAS

Roland reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products.
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Roland®

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